

SIMPLIFIED CONDITIONS AND CONFIGURATIONS FOR PHASE-CONTRAST
IMAGING WITH HARD X-RAYS

ABSTRACT OF THE DISCLOSURE

A method of obtaining an image of a boundary of an object, the boundary representing a refractive index variation, the method including irradiating the boundary with penetrating radiation having high lateral spatial coherence and a propagation component transverse to the refraction index variation, and receiving at least a portion of the radiation on an image plane so as to form the image, the radiation having been refracted by the boundary such that the boundary is represented on the image by a corresponding intensity variation.

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